

**Notice of Allowability**

Application No.

10/785,231

Examiner

Matthew O. Savage

Applicant(s)

FALKNER, KEMP E.

Art Unit

1724

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to \_\_\_\_.
2. ☒ The allowed claim(s) is/are 1-23.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_.
- (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 4-28-04
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_.

Matthew O Savage  
Primary Examiner  
Art Unit: 1724

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Charles M. Kaplan on 6-08-06.

On line 4 of claim 1, "the solid" should be changed to --a solid--.

In paragraph D. of claim 12, "external valve closure assembly" has been changed to --end cap--.

On line 6 of paragraph B. of claim 16, "sid" has been changed to --said--.

On line 12 of paragraph C. of claim 16, "pressure relief port" has been changed to --third valve seat--.

On lines 6-7 of claim 17, ", and positions said third valve closure member in said third valve seat," has been deleted.

In part D. of claim 19, "assembly" has been changed to --end cap--.

On lines 5-6 of claim 22, "coil spring" has been changed to --positioner--.

On lines 8-9 of claim 22, "said shoulder of said valve closure member" has been changed to --an end of said stem--.

On line 14 of page 5 of the specification, "52" has been changed to --55--;

On line 24 of page 6 of the specification, "79" has been changed to --78-- and "51" has been changed to --56--;

On line 7 of page 9 of the specification, "pst" has been changed to --past--.

The following changes to the drawings have been approved by the examiner and agreed upon by applicant: The lead line associated with reference number 62 must be re-drawn to point out the end of the member 51 as opposed to the end of the spring 55 in FIGS. 4 and 7 (see line 19 of page 5 of the specification). In order to avoid abandonment of the application, applicant must make these above agreed upon drawing changes.

The following is an examiner's statement of reasons for allowance:

U.S. Patent 2,873,758 to Nielson is considered the closest prior art, however, the reference fails to teach or suggest:

The limitations the removable first valve positioner containing the first valve closure member and the first spring that locates the first spring and the first valve closure member in the first conduit as recited in instant claim 1;

The limitations of the housing having the second valve seat and the removable end cap having a valve closure assembly for the second valve seat as recited in instant claims 8, 12, and 16;

The limitations of the removable end cap having a pressure relief outlet, a pressure relief port between a collection conduit and pressure relief outlet, a third valve

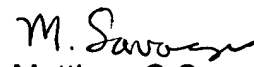
Art Unit: 1724

seat in the pressure relief port, and a removable third valve closure member sized to mate with the third valve seat as recited in instant claim 16; and

The limitations of a removable flow control end cap including an untreated water supply inlet conduit, an aerated aqueous concentrate conduit hydraulically connecting the discharge port of the second conduit to the water supply inlet conduit, and a drain conduit hydraulically connected to the discharge port of the first conduit as recited in instant claim 19.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Matthew O. Savage whose telephone number is (571) 272-1146. The examiner can normally be reached on Monday-Friday, 7:00am-3:30pm.

  
Matthew O Savage  
Primary Examiner  
Art Unit 1724

mos  
June 8, 2006